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OM protein - protein search, using sw model

Run on: July 29, 2002, 15:55:52 ; Search time 38.16 seconds
(without alignments)
294.439 Million cell updates/sec

Title: US-08-866-354-40

Perfect score: 2457

Sequence: 1 MLVPSHYPETLRLSLASPS.....RARLSALTLPLMLTLAL 460

Scoring table:

BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 231628 seqs, 24425594 residues

Total number of hits satisfying chosen parameters: 231628

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-processing:

Minimum Match 0%

Listing First 45 summaries

Database : Issued_Patents_AA:*

1: /cgn2_6/pdata/2/1aa/5A.COMB.pep:*
2: /cgn2_6/pdata/2/1aa/5B.COMB.pep:*
3: /cgn2_6/pdata/2/1aa/6A.COMB.pep:*
4: /cgn2_6/pdata/2/1aa/6B.COMB.pep:*
5: /cgn2_6/pdata/2/1aa/6C.COMB.pep:*
6: /cgn2_6/pdata/2/1aa/6D.COMB.pep:*

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	2405	97.9	464	3	US-08-957-063-6
2	2405	97.9	464	4	US-09-487-685-6
3	2283	92.9	464	3	US-08-957-063-3
4	2283	92.9	464	4	US-09-487-685-3
5	2288	92.3	664	3	US-08-957-063-18
6	2288	92.3	664	4	US-09-487-685-18
7	2186	89.0	664	3	US-08-957-063-16
8	2186	89.0	664	4	US-09-487-685-16
9	577.5	23.5	397	4	US-09-220-528-64
10	547.5	22.3	400	4	US-09-220-528-63
11	137	5.6	2703	1	US-08-185-432-19
12	127.5	5.2	4544	1	US-08-469-486-52
13	127.5	5.2	4544	2	US-08-469-658-52
14	118.5	4.8	2213	1	US-08-727-034-3
15	118.5	4.7	642	3	US-08-872-855-10
16	115.5	4.7	2214	1	US-08-727-034-7
17	115.5	4.7	4654	4	US-08-776-515A-84
18	115.5	4.7	4655	4	US-08-652-877-84
19	115.5	4.7	4655	4	US-08-652-877-86
20	115.5	4.7	4655	4	US-08-652-877-88
21	115.5	4.7	4655	4	US-08-652-877-90
22	114	4.6	1010	4	US-08-882-046-7
23	114	4.6	1036	4	US-09-068-740A-6
24	114	4.6	1187	4	US-09-068-740A-7
25	114	4.6	1218	2	US-08-400-159-6
26	114	4.6	1218	3	US-08-611-729A-6
27	114	4.6	1218	4	US-08-882-046-2

28	114	4.6	1218	4	US-09-068-740A-11	Sequence 11, Appl
29	113	4.6	1219	4	US-08-882-046-5	Sequence 5, Appl
30	112	4.6	1218	4	US-09-214-276-7	Sequence 7, Appl
31	112	4.6	2556	1	US-08-083-590A-20	Sequence 20, Appl
32	112	4.6	2556	3	US-08-532-384-20	Sequence 20, Appl
33	110	4.5	886	3	US-09-110-116-3	Sequence 3, Appl
34	109	4.4	637	1	US-07-847-743B-28	Sequence 28, Appl
35	109	4.4	637	1	US-08-456-241-28	Sequence 28, Appl
36	109	4.4	637	2	US-08-456-241-28	Sequence 28, Appl
37	109	4.4	637	3	PCT-US92-04295A-28	Sequence 28, Appl
38	107	4.4	645	1	US-07-847-743B-27	Sequence 27, Appl
39	107	4.4	645	1	US-08-456-201-27	Sequence 27, Appl
40	107	4.4	645	1	US-08-428-926-4	Sequence 4, Appl
41	107	4.4	645	1	US-08-428-927-4	Sequence 4, Appl
42	107	4.4	645	1	US-08-428-298-4	Sequence 4, Appl
43	107	4.4	645	1	US-08-339-517-4	Sequence 4, Appl
44	107	4.4	645	2	US-08-456-241-27	Sequence 27, Appl
45	107	4.4	645	4	US-09-020-880-93	Sequence 93, Appl

ALIGNMENTS

RESULT 1:
US-08-957-063-6
Sequence 6, Application US/08957063
Patent No. 6025157
GENERAL INFORMATION:
APPLICANT: Robert D. Klein, Arnon Rosenthal, Mary A. Hynes
TITLE OF INVENTION: Neuturin Receptor
NUMBER OF SEQUENCES: 19
CORRESPONDENCE ADDRESS:
ADDRESSER: Genentech, Inc.
STREET: 1 DNA Way
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 Inch, 1.44 Mb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: WinPatIn (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/957,063
FILING DATE: 24-Oct-1997
CLASSIFICATION: 800
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/871
FILING DATE: 9-Jun-1997
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 913
FILING DATE: 18-Feb-1997
ATTORNEY/AGENT INFORMATION:
NAME: Torchia, Ph.D., Timothy E.
REGISTRATION NUMBER: 36,700
REFERENCE/DOCKET NUMBER: P1086P2
TELECOMMUNICATION INFORMATION:
TELEPHONE: 650/225-8674
TELEFAX: 650/952-9881
INFORMATION FOR SEQ. ID NO. 6
SEQUENCE CHARACTERISTICS:
LENGTH: 464 amino acids
TYPE: Amino Acid
TOPOLOGY: Linear
US-08-957-063-6

Query Match 97.9%; Score 2405; DB 3; Length 464;
Best Local Similarity 100.0%; Pred. No. 3, 1e-235;
Matches 451; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 10 DELRLASPSLGGSLHGWHPQVDPVRANELCAENSSRYRTLROCLAGRNTML 69

Db 14 DETLSLASPSLQSGSELHGMRPQVDCVRANELCAESNCSSRYRLRLOCLAGRDRNTWL 73
Qy 70 ANKECOALEVLOESPLVDCRCRCKRGMKKELOCLQIYWSIHGLTGEFEFEYASPEYPTS 129
Db 74 ANKECOALEVLOESPLVDCRCRCKRGMKKELOCLQIYWSIHGLTGEFEFEYASPEYPTS 133
Qy 130 RLSDFRLASIFSGTGTDPVASTKSNHCLDAKACNLNDCKLSSYSISICNREISPT 189
Db 134 RLSDFRLASIFSGTGTDPVASTKSNHCLDAKACNLNDCKLSSYSISICNREISPT 193
Qy 190 RCNRKCKHALRQFDRVPSEYTYRMLFCSCODQCAERRROTILPSCSYEDKEKPNCLD 249
Db 194 RCNRKCKHALRQFDRVPSEYTYRMLFCSCODQCAERRROTILPSCSYEDKEKPNCLD 253
Qy 250 LRSICRTDHLCSRRLADFHANCRASTRITSCPADNYQACLSYAGMIGFDMTPNYVDSN 309
Db 254 LRSICRTDHLCSRRLADFHANCRASTRITSCPADNYQACLSYAGMIGFDMTPNYVDSN 313
Qy 310 PTGIYVSPWCNCRSGNMEBECEKFLRDTENPCLRNAIOAFNGCTDVMSKPGSLPAT 369
Db 314 PTGIYVSPWCNCRSGNMEBECEKFLRDTENPCLRNAIOAFNGCTDVMSKPGSLPAT 373
Qy 370 QAPREKTPSLPDDLSLSTSVITTTCTSIQEOGLKANNKSKELSMCTELTTNISPS 429
Db 374 QAPREKTPSLPDDLSLSTSVITTTCTSIQEOGLKANNKSKELSMCTELTTNISPS 433
Qy 430 KKVILNKGSSRRARLSAALTALPLMLTLAL 460
Db 434 KKVILNKGSSRRARLSAALTALPLMLTLAL 464

RESULT 2

US-09-487-685-6
Sequence 6, Application US/09487685

Patent No. 6342348

GENERAL INFORMATION:

APPLICANT: Robert D. Klein, Arnon Rosenthal, Mary A. Hynes

TITLE OF INVENTION: Neurturin Receptor

NUMBER OF SEQUENCES: 19

CORRESPONDENCE ADDRESS:

ADDRESSEE: Genentech, Inc.

STREET: 1 DNA Way

CITY: South San Francisco

STATE: California

COUNTRY: USA

ZIP: 94080

COMPUTER READABLE FORM:

MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: WinPatlin (Genentech)

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/487,685

FILING DATE: 19-Jan-2000

CLASSIFICATION: <unknown>

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 08/957,063

FILING DATE: <unknown>

APPLICATION NUMBER: 913

FILING DATE: 18-Feb-1997

ATTORNEY/AGENT INFORMATION:

NAME: Torchia, PhD., Timothy E.

REGISTRATION NUMBER: 36,700

REFERENCE/DOCKET NUMBER: PI086P2

TELECOMMUNICATION INFORMATION:

TELEPHONE: 650/225-8674

TELEFAX: 650/952-9881

INFORMATION FOR SEQ ID NO: 6:

SEQUENCE CHARACTERISTICS:

LENGTH: 464 amino acids

TYPE: Amino Acid

TOPOLOGY: Linear

SEQUENCE DESCRIPTION: SEQ ID NO: 6:

US-09-487-685-6

Query Match 97.9%; Score 2405; DB 4; Length 464;
Best Local Similarity: 100.0%; Pred. No. 3,1e-235;
Matches 451; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 10 DETLSLASPSLQSGSELHGMRPQVDCVRANELCAESNCSSRYRLRLOCLAGRDRNTWL 69
Db 14 DETLSLASPSLQSGSELHGMRPQVDCVRANELCAESNCSSRYRLRLOCLAGRDRNTWL 73
Qy 70 ANKECOALEVLOESPLVDCRCRCKRGMKKELOCLQIYWSIHGLTGEFEFEYASPEYPTS 129
Db 74 ANKECOALEVLOESPLVDCRCRCKRGMKKELOCLQIYWSIHGLTGEFEFEYASPEYPTS 133
Qy 130 RLSDFRLASIFSGTGTDPVASTKSNHCLDAKACNLNDCKLSSYSISICNREISPT 189
Db 134 RLSDFRLASIFSGTGTDPVASTKSNHCLDAKACNLNDCKLSSYSISICNREISPT 193
Qy 190 RCNRKCKHALRQFDRVPSEYTYRMLFCSCODQCAERRROTILPSCSYEDKEKPNCLD 249
Db 194 RCNRKCKHALRQFDRVPSEYTYRMLFCSCODQCAERRROTILPSCSYEDKEKPNCLD 253
Qy 250 LRSICRTDHLCSRRLADFHANCRASTRITSCPADNYQACLSYAGMIGFDMTPNYVDSN 309
Db 254 LRSICRTDHLCSRRLADFHANCRASTRITSCPADNYQACLSYAGMIGFDMTPNYVDSN 313
Qy 310 PTGIYVSPWCNCRSGNMEBECEKFLRDTENPCLRNAIOAFNGCTDVMSKPGSLPAT 369
Db 314 PTGIYVSPWCNCRSGNMEBECEKFLRDTENPCLRNAIOAFNGCTDVMSKPGSLPAT 373
Qy 370 QAPREKTPSLPDDLSLSTSVITTTCTSIQEOGLKANNKSKELSMCTELTTNISPS 429
Db 374 QAPREKTPSLPDDLSLSTSVITTTCTSIQEOGLKANNKSKELSMCTELTTNISPS 433
Qy 430 KKVILNKGSSRRARLSAALTALPLMLTLAL 460
Db 434 KKVILNKGSSRRARLSAALTALPLMLTLAL 464

RESULT 3

US-08-957-063-3

Sequence 3, Application US/08957063

Patent No. 6025157

GENERAL INFORMATION:

APPLICANT: Robert D. Klein, Arnon Rosenthal, Mary A. Hynes

TITLE OF INVENTION: Neurturin Receptor

NUMBER OF SEQUENCES: 19

CORRESPONDENCE ADDRESS:

ADDRESSEE: Genentech, Inc.

STREET: 1 DNA Way

CITY: South San Francisco

STATE: California

COUNTRY: USA

ZIP: 94080

COMPUTER READABLE FORM:

MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: WinPatlin (Genentech)

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/957,063

FILING DATE: 24-Oct-1997

CLASSIFICATION: 800

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 08/871

FILING DATE: 9-Jun-1997

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 913

FILING DATE: 18-Feb-1997

ATTORNEY/AGENT INFORMATION:

NAME: Torchia, PhD., Timothy E.

REGISTRATION NUMBER: 36,700
 REFERENCE/DOCKET NUMBER: P1086P2
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 650/225-8674
 TELEFAX: 650/952-9881
 INFORMATION FOR SEQ ID NO: 3:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 464 amino acids
 TYPE: Amino Acid
 TOPOLOGY: Linear
 US-08-957-063-3

Query Match 92.9%; Score 2283; DB 3; Length 464;
 Best Local Similarity 94.5%; Pred. No. 7, 1e-223;
 Matches 426; Conservative 8; Mismatches 17; Indels 0; Gaps 0;

10 DETLSLSPSSLSQSELHGMRPOVDCVANELCAAESNCSSRYRTLROCLAGRDNTML 69
 14 DETLSLSPSSLSQDELHGMRPVDCVANELCAAESNCSSRYRTLROCLAGRDNTML 73
 70 ANKEQALAEVIOESPLYDCRCRCKGKKELQCIQIYWSIHGLTGEFEYEASPYEPTVS 129
 74 ANKEQALAEVIOESPLYDCRCRCKGKKELQCIQIYWSIHGLTGEFEYEASPYEPTVS 133
 130 RLSDFRLASIFSGTGPDAVSTKSNHCLDAKACNLNDCKLRSSYISICNREISPTPE 189
 134 RLSDFRLASIFSGTGPDAVSTKSNHCLDAKACNLNDCKLRSSYISICNREISPTPE 193
 190 RCNRRKCHKALQFPDVPSEYTYRMLFCSCODQACAEERRRQITLPSGSEDEKERNCLD 249
 194 RCNRRKCHKALQFPDVPSEYTYRMLFCSCODQACAEERRRQITLPSGSEDEKERNCLD 253
 250 LRSICRTHLCSRLADFPANCRASYRTITSCPADNYQACLSYAGMIGFDMTPNVVDSN 309
 254 LRGVCRTHLCSRLADFPANCRASYRTITSCPADNYQACLSYAGMIGFDMTPNVVDSN 313
 310 PTGIYVSPMCNCRSGNMECECEKFLRDEFTENPCLRNAIOAFNGTGVNMSPKGSLPAT 369
 314 PTGIYVSPMCNCRSGNMECECEKFLRDEFTENPCLRNAIOAFNGTGVNMSPKGSLPAT 373
 370 QAPREKTPSLPDDLSDSITSLGTSVITTCSTIOEQGLKANNSELSMCTELTNTINISPS 429
 374 QAPREKTPSLPDDLSDSITSLGTSVITTCSTIOEQGLKANNSELSMCTELTNTINISPS 433
 430 KVIKLNSSSRARLSAALTALPLMLTAL 460
 434 NKVIRKNSGSPRARPSAALTIVSLMLKAL 464

RESULT 4
 US-09-487-685-3
 Sequence 3, Application US/09487685
 Patent No. 6342348

GENERAL INFORMATION:
 APPLICANT: Robert D. Kiehn, Arnon Rosenthal, Mary A. Hynes
 TITLE OF INVENTION: Neurturin Receptor
 NUMBER OF SEQUENCES: 19
 CORRESPONDENCE ADDRESS:

ADDRESSEE: Genentech, Inc.
 STREET: 1 DNA Way
 CITY: South San Francisco
 STATE: California
 COUNTRY: USA

ZIP: 94080

COMPUTER READABLE FORM:
 MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk

COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Winpatin (Genentech)

CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/09/487,685
 FILING DATE: 19-Jan-2000

CLASSIFICATION: <Unknown>
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: 08/957,063
 FILING DATE: <Unknown>
 APPLICATION NUMBER: 913
 FILING DATE: 18-Feb-1997
 ATTORNEY/AGENT INFORMATION:
 NAME: Torchia, Phd., Timothy E.
 REGISTRATION NUMBER: 36,700
 REFERENCE/DOCKET NUMBER: P1086P2
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 650/225-8674
 TELEFAX: 650/952-9881
 INFORMATION FOR SEQ ID NO: 3:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 464 amino acids
 TYPE: Amino Acid
 TOPOLOGY: Linear
 US-09-487-685-3

Query Match 92.9%; Score 2283; DB 4; Length 464;
 Best Local Similarity 94.5%; Pred. No. 7, 1e-223;
 Matches 426; Conservative 8; Mismatches 17; Indels 0; Gaps 0;

10 DETLSLSPSSLSQSELHGMRPOVDCVANELCAAESNCSSRYRTLROCLAGRDNTML 69
 14 DETLSLSPSSLSQDELHGMRPVDCVANELCAAESNCSSRYRTLROCLAGRDNTML 73
 70 ANKEQALAEVIOESPLYDCRCRCKGKKELQCIQIYWSIHGLTGEFEYEASPYEPTVS 129
 74 ANKEQALAEVIOESPLYDCRCRCKGKKELQCIQIYWSIHGLTGEFEYEASPYEPTVS 133
 130 RLSDFRLASIFSGTGPDAVSTKSNHCLDAKACNLNDCKLRSSYISICNREISPTPE 189
 134 RLSDFRLASIFSGTGPDAVSTKSNHCLDAKACNLNDCKLRSSYISICNREISPTPE 193
 190 RCNRRKCHKALQFPDVPSEYTYRMLFCSCODQACAEERRRQITLPSGSEDEKERNCLD 249
 194 RCNRRKCHKALQFPDVPSEYTYRMLFCSCODQACAEERRRQITLPSGSEDEKERNCLD 253
 250 LRSICRTHLCSRLADFPANCRASYRTITSCPADNYQACLSYAGMIGFDMTPNVVDSN 309
 254 LRGVCRTHLCSRLADFPANCRASYRTITSCPADNYQACLSYAGMIGFDMTPNVVDSN 313
 310 PTGIYVSPMCNCRSGNMECECEKFLRDEFTENPCLRNAIOAFNGTGVNMSPKGSLPAT 369
 314 PTGIYVSPMCNCRSGNMECECEKFLRDEFTENPCLRNAIOAFNGTGVNMSPKGSLPAT 373
 370 QAPREKTPSLPDDLSDSITSLGTSVITTCSTIOEQGLKANNSELSMCTELTNTINISPS 429
 374 QAPREKTPSLPDDLSDSITSLGTSVITTCSTIOEQGLKANNSELSMCTELTNTINISPS 433
 430 KVIKLNSSSRARLSAALTALPLMLTAL 460
 434 NKVIRKNSGSPRARPSAALTIVSLMLKAL 464

RESULT 5
 US-08-957-063-18
 Sequence 18, Application US/08957063
 Patent No. 6025157

GENERAL INFORMATION:

APPLICANT: Robert D. Kiehn, Arnon Rosenthal, Mary A. Hynes

TITLE OF INVENTION: Neurturin Receptor

NUMBER OF SEQUENCES: 19

CORRESPONDENCE ADDRESS:

ADDRESSEE: Genentech, Inc.
 STREET: 1 DNA Way
 CITY: South San Francisco
 STATE: California
 COUNTRY: USA

ZIP: 94080
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Winpatin (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/957.063
FILING DATE: 24-Oct-1997
CLASSIFICATION: 800
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/871
FILING DATE: 9-Jun-1997
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 913
FILING DATE: 18-Feb-1997
ATTORNEY/AGENT INFORMATION:
NAME: Torchia, PhD., Timothy E.
REGISTRATION NUMBER: 36,700
REFERENCE/DOCKET NUMBER: P1086P2
TELECOMMUNICATION INFORMATION:
TELEPHONE: 650/225-8674
TELEFAX: 650/952-9881
INFORMATION FOR SEQ ID NO: 18:
SEQUENCE CHARACTERISTICS:
LENGTH: 664 amino acids
TYPE: Amino Acid
TOPOLOGY: Linear
US-08-957-063-18

Query Match 92.3%; Score 2268; DB 3; Length 664;
Best Local Similarity 99.8%; Pred. No. 4.1e-221;
Matches 420; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

DB 10 DETLRSLASPSLOGSELHGRNPQVDCVRANELCAESNCSSRYRTLROCLAGRDRTML 69
DB 14 DETLRSLASPSLOGSELHGRNPQVDCVRANELCAESNCSSRYRTLROCLAGRDRTML 73
QY 70 ANKECOALEVLOESPLYDCRCRGMKKELOCLQIYWSIHGLTEGEEFEYASPEYPTS 129
DB 74 ANKECOALEVLOESPLYDCRCRGMKKELOCLQIYWSIHGLTEGEEFEYASPEYPTS 133
QY 130 RLSDIFRLASIFSGTGTPAVSTKSNHCLDAKACNLNDNCKKLRSYSISICNREISPT 189
DB 134 RLSDIFRLASIFSGTGTPAVSTKSNHCLDAKACNLNDNCKKLRSYSISICNREISPT 193
QY 190 RCNRRKCHKALROFFDRPSEYTYRMLFCSCODQACAEERRQTIIPSCSYEDKEKPNCLD 249
DB 194 RCNRRKCHKALROFFDRPSEYTYRMLFCSCODQACAEERRQTIIPSCSYEDKEKPNCLD 253
QY 250 LRSICRTDHLCLRSRLADHANCRASTRTITSCPADNYOACLSYAGMIGFDMTPNYVDSN 309
DB 254 LRSICRTDHLCLRSRLADHANCRASTRTITSCPADNYOACLSYAGMIGFDMTPNYVDSN 313
QY 310 PTGIVSPWCNCRSGNNEECEEKFLRDTENPCLRNIAIOAFNGCTDVNMSPKGSLPAT 369
DB 314 PTGIVSPWCNCRSGNNEECEEKFLRDTENPCLRNIAIOAFNGCTDVNMSPKGSLPAT 373
QY 370 QAPVEKTPSLPDDLSDSTSLGTSVITTCISIOEGGLKANSKELSMKFTELTTNISPGS 429
DB 374 QAPVEKTPSLPDDLSDSTSLGTSVITTCISIOEGGLKANSKELSMKFTELTTNISPGS 433
QY 430 K 430
DB 434 R 434

RESULT 6
US-09-487-685-18
Sequence 18, Application US/09487685
Patent No. 6342348
GENERAL INFORMATION:

APPLICANT: Robert D. Klein, Arnon Rosenthal, Mary A. Hynes
TITLE OF INVENTION: Neuturin Receptor
NUMBER OF SEQUENCES: 19
CORRESPONDENCE ADDRESS:
ADDRESSEE: Genentech, Inc.
STREET: 1 DNA Way
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080

COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Winpatin (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/487,685
FILING DATE: 19-Jan-2000
CLASSIFICATION: <unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/957,063
FILING DATE: <unknown>
APPLICATION NUMBER: 913
FILING DATE: 18-Feb-1997
ATTORNEY/AGENT INFORMATION:
NAME: Torchia, PhD., Timothy E.
REGISTRATION NUMBER: 36,700
REFERENCE/DOCKET NUMBER: P1086P2
TELECOMMUNICATION INFORMATION:
TELEPHONE: 650/225-8674
TELEFAX: 650/952-9881
INFORMATION FOR SEQ ID NO: 18:
SEQUENCE CHARACTERISTICS:
LENGTH: 664 amino acids
TYPE: Amino Acid
TOPOLOGY: Linear
US-09-487-685-18

Query Match 92.3%; Score 2268; DB 4; Length 664;
Best Local Similarity 99.8%; Pred. No. 4.1e-221;
Matches 420; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 10 DETLRSLASPSLOGSELHGRNPQVDCVRANELCAESNCSSRYRTLROCLAGRDRTML 69
DB 14 DETLRSLASPSLOGSELHGRNPQVDCVRANELCAESNCSSRYRTLROCLAGRDRTML 73
QY 70 ANKECOALEVLOESPLYDCRCRGMKKELOCLQIYWSIHGLTEGEEFEYASPEYPTS 129
DB 74 ANKECOALEVLOESPLYDCRCRGMKKELOCLQIYWSIHGLTEGEEFEYASPEYPTS 133
QY 130 RLSDIFRLASIFSGTGTPAVSTKSNHCLDAKACNLNDNCKKLRSYSISICNREISPT 189
DB 134 RLSDIFRLASIFSGTGTPAVSTKSNHCLDAKACNLNDNCKKLRSYSISICNREISPT 193
QY 190 RCNRRKCHKALROFFDRPSEYTYRMLFCSCODQACAEERRQTIIPSCSYEDKEKPNCLD 249
DB 194 RCNRRKCHKALROFFDRPSEYTYRMLFCSCODQACAEERRQTIIPSCSYEDKEKPNCLD 253
QY 250 LRSICRTDHLCLRSRLADHANCRASTRTITSCPADNYOACLSYAGMIGFDMTPNYVDSN 309
DB 254 LRSICRTDHLCLRSRLADHANCRASTRTITSCPADNYOACLSYAGMIGFDMTPNYVDSN 313
QY 310 PTGIVSPWCNCRSGNNEECEEKFLRDTENPCLRNIAIOAFNGCTDVNMSPKGSLPAT 369
DB 314 PTGIVSPWCNCRSGNNEECEEKFLRDTENPCLRNIAIOAFNGCTDVNMSPKGSLPAT 373
QY 370 QAPVEKTPSLPDDLSDSTSLGTSVITTCISIOEGGLKANSKELSMKFTELTTNISPGS 429
DB 374 QAPVEKTPSLPDDLSDSTSLGTSVITTCISIOEGGLKANSKELSMKFTELTTNISPGS 433
QY 430 K 430

QY 190 RCNRKCHKALROFDRVSEYTYRMLEFCSCODACARRRQTLIPSCSYEDKEKPNCLD 249
Db 194 RCNRKCHKALROFDRVSEYTYRMLEFCSCODACARRRQTLIPSCSYEDKEKPNCLD 253
QY 250 LRSICRDLHCRSLRDLADPHANCRASTRTTSCPADNYOACLGSTAGMTGFMTPNYVDSN 309
Db 254 LRGVCRDHLCRSLRDLADPHANCRASTRTTSCPADNYOACLGSTAGMTGFMTPNYVDSN 313
QY 310 PTGIVSPWMCRCGSGNNEECCFKLRDFTENPCLRNAIOAFNGTGVNMSPKGSLPAT 369
Db 314 PTGIVSPWMCRCGSGNNEECCFKLRDFTENPCLRNAIOAFNGTGVNMSPKGSLPAT 373
QY 370 QAPVEKTPSLPDDLSDSTSLGTSTVITTCSTIOBGLKANNKSKELSMCFTELTTNIPGS 429
Db 374 QAPVEKTPSLPDDLSDSTSLGTSTVITTCSTVIOBGLKANNKSKELSMCFTELTTNIPGP 433
QY 430 K 430
Db 434 R 434

RESULT 9

Sequence 64, Application US/09220528A
Patent No. 6284540
GENERAL INFORMATION:
APPLICANT: Milbrandt, Jeffrey D.
APPLICANT: Baloh, Robert H.
TITLE OF INVENTION: Artemin, A No. 6284540el Neurotrophic Factor
FILE REFERENCE: 6029-7998
CURRENT APPLICATION NUMBER: US/09/220,528A
EARLIER FILING DATE: 1998-12-24
EARLIER APPLICATION NUMBER: 09/218,698
EARLIER FILING DATE: 1998-12-22
EARLIER APPLICATION NUMBER: 60/108,148
EARLIER FILING DATE: 1998-11-12
EARLIER APPLICATION NUMBER: 09/163,283
EARLIER FILING DATE: 1998-09-29
NUMBER OF SEQ ID NOS: 120
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 64
LENGTH: 397
TYPE: PRT
ORGANISM: Murine
US-09-220-528-64

Query Match 23.58; Score 577.5; DB 4; Length 397;

Best Local Similarity 38.88; Pred. No. 3.9e-50;
Matches 127; Conservative 40; Mismatches 125; Indels 35; Gaps 9;

36 CVARNELCAASNSCSRYRLROCLAGDRNTML-----ANKECOALAEVLDESPLYDRC 91
Db 41 CTOARKKCEAPACKAAVOHIGSTSSLRPLLEBSAMSDCLEAQAOLNSSLIDRC 100
QY 92 KRGAKKELCLOIYMSIHGLTEGEFEYEASPYE-PVTSR-----LSDIFRLASIFSGTG 145
Db 101 HRRMKHQAATCDIYWTYHAPASLDYELDVSPYEDVTYSKWKNNLSKLNML----- 152
QY 146 TDPAVSTKSNHCLDAKACNLDNCKKLRSSYISICNREISPTERCNRKCHKALROFED 205
Db 153 -----KPDSDCLCFAMCTLHDKCDRLKRAYGACS-----GIRCOHCLCLAOILRSPFE 202
QY 206 RVPEYTYRMFCSC--ODOACARRQTLIPSCSYEDKEKPNCLDLSICRDLHCRSR 263
Db 203 KAASHOGLLCPAPADGCGERRRTTAPSCAL-PSVTPNCLDLSCFERRADPLCRSR 261
QY 264 LADPHANCRASTRTTSCPADNYOACLGSTAGMTGFMTPNYVDSNPTGIYVSPWMCRCG 323
Db 262 LMDFOYHCHP--MDILGTCATEQSRCLRAYLGLGTAMTPRFISKVNTVALS--CTCRG 317
QY 324 SGNNEECCFKLRDFTENPCLRNAIOA 350

Db 318 SGNLODECEQLERSFSQNPCLVEAIAA 344

RESULT 10

Sequence 63, Application US/09220528A
Patent No. 6284540
GENERAL INFORMATION:
APPLICANT: Milbrandt, Jeffrey D.
APPLICANT: Baloh, Robert H.
TITLE OF INVENTION: Artemin, A No. 6284540el Neurotrophic Factor
FILE REFERENCE: 6029-7998
CURRENT APPLICATION NUMBER: US/09/220,528A
EARLIER FILING DATE: 1998-12-24
EARLIER APPLICATION NUMBER: 09/218,698
EARLIER FILING DATE: 1998-12-22
EARLIER APPLICATION NUMBER: 60/108,148
EARLIER FILING DATE: 1998-11-12
EARLIER APPLICATION NUMBER: 09/163,283
EARLIER FILING DATE: 1998-09-29
NUMBER OF SEQ ID NOS: 120
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 63
LENGTH: 400
TYPE: PRT
ORGANISM: Homo sapiens
US-09-220-528-63

Query Match 22.38; Score 547.5; DB 4; Length 400;
Best Local Similarity 36.08; Pred. No. 4.3e-47;
Matches 131; Conservative 45; Mismatches 139; Indels 49; Gaps 11;

QY 61 MLVPSHYPDDELTLASPSLSQSELHGMRPQVDCVARNELCAAESCSRYRLRQCL 60
Db 19 LLLPSPLPLAGDPLPESRLMNS-----CLOARRKCAADPTCSAAVHHHDSCT 68
QY 61 AGRDRNTMLANKE-----COALEVLDESPLYDRCRGKMKKELCLOIYMSIHGLTE 114
Db 69 S--SISTPLPEEBSVPADCLEAQAOLNSSLIGCMCHRRKKNQVACDIYWTYHRAASL 126
QY 115 GEEFEASPYE-PVTSR-----LSDIFRLASIFSGTGTPAVSTKSNHCLDAKACNLD 168
Db 127 GNYELDVSPYEDVTYSKWKNNLSKLNML-----KPDSDCLCFAMCTLND 173
QY 169 NCKKLRSSYISICNREISPTERCNRKCHKALROFEDRVSEYTYRMFCSC--ODOACA 226
Db 174 KCDRLKRAYGACS-----GPHCOHVCRLROLTFEKAAPRHAOGLLCPAPNDRCG 228
QY 227 ERRQTLIPSCSYEDKEKPNCLDLSICRDLHCRSLRDLADPHANCRASTRTTSCPADNY 286
Db 229 ERRNTIAPNCL-PRVAPNCLLELRCLFSDPLCRSLRDLADPHANCRASTRTTSCPADNY 285
QY 287 QACLGSTAGMTGFMTPNYVDSNPTGIYVSPWMCRCGSGNNEECCFKLRDFTENPCLRN 346
Db 286 SRCRLRAYLGLGTAMTPRFVSNVNTVALS--CTCRGSGNLODECEMLEGFFSHNPCLTE 343
QY 347 AIOA 350
Db 344 AIAA 347
RESULT 11
Sequence 19, Application US/08185432
Patent No. 5750652
GENERAL INFORMATION:
APPLICANT: Artavanis-Tsakonas, Spyridon
APPLICANT: Buseau, Isabelle
APPLICANT: Diederich, Robert J.
APPLICANT: Xu, Tian
APPLICANT: Matsuno, Kenji